NVLAP LAB CODE:

WOOD BASED PRODUCTS
TEST METHOD SELECTION LIST

Instructions: Check each test method for which you are requesting accreditation.

An asterisk (*) or a double asterisk (**) beside the NVLAP Test Method Code indicates that proficiency testing is required. The double asterisk indicates test methods that require visual estimates of percent wood failure. The double-asterisk test methods will be conducted similar to the other proficiency testing; however, since quantified measurements are unavailable, only relative comparisons can be made.

Notification will be given for the required proficiency testing by NVLAP and/or a NVLAP contractor, and the results of both types of proficiency testing will be reported in a single Tech Brief or in separate Tech Briefs.

Test Method Designations in parentheses indicate Canadian test methods. These test methods were found comparable for purposes of accreditation only (see Sec. 285.33(h)(3) of the Wood Based Products program handbook).

	NVLAP Test Method Code	***Test Method Designation***	***Short Title***
FIRE TESTS			
_____	23/F01*	ASTM E84	Surface Burning Characteristics of Building Materials
_____	23/F02	ASTM E906	Heat and Visible Smoke Release Rates for Materials and Products
_____	23/F03	ASTM E1354	Heat and Visible Smoke Release Rates for Materials and Products Using an Oxygen Consumption Calorimeter
GENERAL WOOD PRODUCTS			

To avoid duplication in the list of test methods within each category, the GENERAL WOOD PRODUCTS listing represents those methods which would appear under more than one category. Several test methods that did not fit specifically into any of the other categories are also listed here.

_____	23/G01	ASTM D906 (CSA 0112.0-MSeries 1977)	Strength Properties of Adhesives in Plywood Type Construction in Shear by Tension Loading (CSA Standards for Wood Adhesives, Sec. 0112.0-M: Clause 3.2: Plywood Shear Test)
_____	23/G02*	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec.11-20: Static Bending

_____	23/G02a*	ANSI A208.1-1999 (Sec. 3.3.7)	Particleboard, Sec. 3.3.7: Modulus of Rupture and Modulus of Elasticity
_____	23/G02b*	ANSI A208.2-1994 (Sec. 3.3.5)	Medium Density Fiberboard, Sec. 3.3.5: Modulus of Rupture and Modulus of Elasticity
_____	23/G03	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 28-33: Tensile Strength Perpendicular to Surface
_____	23/G03a	ANSI A208.1-1999 (Sec. 3.3.6)	Particleboard, Sec. 3.3.6: Internal Bond
_____	23/G03b	ANSI 208.2-1994 (Sec. 3.3.6)	Medium Density Fiberboard, Sec. 3.3.6: Internal Bond (Tensile Strength Perpendicular to the Surface)
_____	23/G04	ASTM D2395	Specific Gravity of Wood and Wood-Base Materials, Method A: Volume by Measurement
_____	23/G05	ASTM D2718	Structural Panels in Planar Shear (Rolling Shear)
_____	23/G06	ASTM D2719	Structural Panels in Shear Through-the-Thickness, Method C: Two-Rail Shear
_____	23/G07	ASTM D3043	Structural Panels in Flexure, Method C: Pure Moment Test
_____	23/G08	ASTM D4442	Direct Moisture Content Measurement of Wood and Wood-Base Materials, Method A: Primary Oven-Drying
_____	23/G09	ASTM D4442	Direct Moisture Content Measurement of Wood and Wood-Base Materials, Method B: Secondary Oven-Drying
_____	23/G10	ASTM E72 (Sec. 14)	Strength Tests of Panels for Building Construction: Racking Load
_____	23/G11	ASTM E72 (Sec. 15)	Strength Tests of Panels for Building Construction: Racking Load (Wet)
_____	23/G12	ASTM E564	Static Load Test for Shear Resistance of Framed Walls for Buildings
_____	23/G13	ASTM E695	Measuring Relative Resistance of Wall, Floor, and Roof Construction to Impact Loading
_____	23/G14	AFG-01-84	Adhesives for Field-Gluing Plywood to Wood Framing, Sec. 3.1: Shear Strength (APA)

_____	23/G15	AFG-01-84	Adhesives for Field-Gluing Plywood to Wood Framing, Sec. 3.2: Durability (APA)
_____	23/G16	ASTM E489	Tensile Strength Properties of Metal Connector Plates
_____	23/G17	ASTM E767	Shear Strength Properties of Metal Connector Plates
_____	23/G18	ASTM D1761	Mechanical Fasteners in Wood, Sec. 41-52: Joist Hanger Tests
_____	23/G19	ASTM E72 (Sec. 9,10)	Strength Tests of Panels for Building Construction: Compressive and Tensile Load
_____	23/G20	ASTM E72 (Sec. 11, 17, 20)	Strength Tests of Panels for Building Construction: Transverse Load
_____	23/G21	ASTM E72 (Sec. 13, 18, 21)	Strength Tests of Panels for Building Construction: Concentrated Load
_____	23/G22	ASTM D5764	Evaluating Dowel-Bearing Strength of Wood and Wood-Base Products
_____	23/G23	ASTM E1803	Determining Structural Capacities of Insulated Panels
_____	23/G24	ASTM D2394	Simulated Service Testing of Wood and Wood-Base Finish Flooring, Sec. 33-37: Coefficient of Friction

HARDWOOD PLYWOOD

_____	23/H01	HP-1	Interim Voluntary Standard for Hardwood and Decorative Plywood, Sec.4.3: Dry Shear
_____	23/H02	HP-1	Interim Voluntary Standard for Hardwood and Decorative Plywood, Sec.4.4: Cyclic-Boil Shear
_____	23/H03	HP-1	Interim Voluntary Standard for Hardwood and Decorative Plywood, Sec.4.6: Three-Cycle Soak
_____	23/H04	ASTM E96	Water Vapor Transmission of Materials

PARTICLEBOARD AND MEDIUM-DENSITY FIBERBOARD

Formaldehyde

_____	23/T01*	ASTM E1333	Determining Formaldehyde Concentrations in Air and Emission Rates from Wood Products Using a Large Chamber
_____	23/T02*	FTM 1-83	Small Scale Method for Determining Formaldehyde Emissions from Wood Products: Two Hour Desiccator
_____	23/T03	EN 120:92	Wood-Based Panels—Determination of Formaldehyde Content, Extraction Method Called the Perforator Method. CEN, European Committee for Standardization. Brussels, Belgium. (English)
_____	23/T04	ASTM D5582	Determining Formaldehyde Levels from Wood Products Using a Desiccator
_____	23/T05	ASTM D6007	Determining Formaldehyde Concentration in Air from Wood Products Using a Small Scale Chamber

Physical/Mechanical Properties

_____	23/P01	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 21-27: Tensile Strength Parallel to Surface
_____	23/P02	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 61-67: Direct Screw Withdrawal Test
_____	23/P02a	ANSI A208.1-1999 (Sec. 3.3.9 & 3.3.10)	Particleboard, Sec. 3.3.9: Face Screw-Holding Capacity; Sec. 3.3.10: Edge Screw-Holding Capacity
_____	23/P02b	ANSI A208.2-1994 (Sec. 3.3.7 & 3.3.8)	Medium Density Fiberboard, Sec. 3.3.7: Face Screw-Holding Capacity; Sec. 3.3.8: Edge Screw-Holding Capacity
_____	23/P03	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 68-73: Hardness Test
_____	23/P04	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 81-86: Shear Strength in the Plane of the Board

_____	23/P05	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 100-107: Water Absorption and Thickness Swelling
_____	23/P05a	ANSI A208.1-1999 (Sec. 3.3.4)	Particleboard, Sec. 3.3.4: Thickness Swell
_____	23/P06	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 108-111: Linear Variation with Change in Moisture Content
_____	23/P06a	ANSI A208.1-1999 (Sec. 3.3.3)	Particleboard, Sec. 3.3.3: Linear Expansion
_____	23/P07	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 112-118: Accelerated Aging
_____	23/P08	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 120-121: Moisture Content and Specific Gravity
_____	23/P08a	ANSI A208.1-1999 (Sec. 3.3.1)	Particleboard, Sec. 3.3.1: Moisture Content
_____	23/P08b	ANSI A208.2-1994 (Sec. 3.3.3)	Medium Density Fiberboard, Sec. 3.3.3: Moisture Content
_____	23/P09	ANSI/A208.1	Particleboard, Sec. 3.3.11: Concentrated Loading

SANDWICH CONSTRUCTIONS

_____	23/X01	ASTM C273	Shear Properties in Flatwise Plane of Flat Sandwich Constructions or Sandwich Cores
_____	23/X02	ASTM C297	Tensile Strength of Flat Sandwich Constructions in Flatwise Plane
_____	23/X03	ASTM C365 (Method A)	Flatwise Compressive Strength of Sandwich Cores, Method A
_____	23/X04	ASTM C393	Flexural Properties of Flat Sandwich Constructions
_____	23/X05	ASTM C480	Flexure-Creep of Sandwich Constructions
_____	23/X06	ASTM C481	Laboratory Aging of Sandwich Constructions
_____	23/X07	ASTM D1183	Resistance of Adhesive to Cyclic Laboratory Aging Conditions

STRUCTURAL COMPOSITE LUMBER, GLULAM, I-JOISTS, LAMINATED VENEER LUMBER

_____ 23/J01	ASTM D143	Small Clear Specimens of Timber, Sec. 8: Static Bending
_____ 23/J02	ASTM D143	Small Clear Specimens of Timber, Sec. 14: Shear Parallel to Grain
_____ 23/J03	ASTM D143	Small Clear Specimens of Timber, Sec.16: Tension Parallel to Grain
_____ 23/J04	ASTM D198	Static Tests of Timbers in Structural Sizes, Sec. 4-11: Flexure
_____ 23/J05	ASTM D198	Static Tests of Timbers in Structural Sizes, Sec. 28-35: Tension Parallel to Grain
_____ 23/J06	ASTM D905 (CSA 0112.0-MSeries 1977)	Strength Properties of Adhesive Bonds in Shear by Compression Loading (CSA Standards for Wood Adhesives, Sec. 0112.0-M: Clause 3.1: Shear Strength by Compression Loading)
_____ 23/J07	ASTM D1037	Evaluating the Properties of Wood-Base Fiber and Particle Panel Materials, Part A, Sec. 87-90: Glue-Line Shear (Block Type)
_____ 23/J08	ASTM D1101	Integrity of Glue Joints in Structural Laminated Wood Products for Exterior Use
_____ 23/J09	ASTM D1761	Mechanical Fasteners in Wood, Sec. 1-11: Nail, Staple, or Screw Withdrawal
_____ 23/J10	ASTM D2559	Adhesives for Structural Laminated Wood Products for Use Under Exterior (Wet Use) Exposure Conditions: Resistance to Shear by Compression Loading
_____ 23/J11	ASTM D2559 (CSA 0112.0-MSeries 1977)	Adhesives for Structural Laminated Wood Products for Use Under Exterior (Wet Use) Exposure Conditions: Resistance to Delamination During Accelerated Exposure (CSA Standards for Wood Adhesives, Sec. 0112.0-M: Clause 3.3: Delamination Test)
_____ 23/J12	ASTM D4688	Evaluating Structural Adhesives for Fingerjointing Lumbers

_____	23/J13	AITC 200	Inspection Manual for Structural Glued Laminated Timber, T106: Strip Tension Test for End Joints (Used in Lamination Repair)(except for "or at a load rate that is approved by the AITC Inspection Bureau," Sec. 7.5.8.1)
_____	23/J14**	AITC 200	Inspection Manual for Structural Glued Laminated Timber, T107: Shear Test
_____	23/J15	AITC 200	Inspection Manual for Structural Glued Laminated Timber, T110: Cyclic Delamination
_____	23/J16	AITC 200	Inspection Manual for Structural Glued Laminated Timber, T114: Bending Test for End Joints
_____	23/J17	AITC 200	Inspection Manual for Structural Glued Laminated Timber, T116: Modulus of Elasticity of E-Rated Lumber by Static Loading
_____	23/J18**	AITC 200	Inspection Manual for Structural Glued Laminated Timber, T119: Full Size End Joint Tension
_____	23/J19	AITC 200	Inspection Manual for Structural Glued Laminated Timber, T123: Sampling, Testing and Data Analysis to Determine Tensile Properties of Lumber
_____	23/J21	ASTM D3535 (CSA 0112.0-MSeries 1977)	Resistance to Deformation Under Static Loading for Structural Wood Laminating Adhesives Used Under Exterior (Wet Use) Exposure Conditions (CSA Standards for Wood Adhesives, Sec. 0112.0-M: Clause 3.4: Creep Test)
_____	23/J22	ASTM D5572	Adhesives Used for Finger Joints in Nonstructural Lumber Products
_____	23/J23	ASTM D5751	Adhesives Used for Laminate Joints in Nonstructural Lumber Products

STRUCTURAL-USE PANELS

_____	23/S01	ASTM D3044	Shear Modulus of Plywood
_____	23/S02	ASTM D3500	Structural Panels in Tension, Method B: Tensile Strength of Large Specimens
_____	23/S03	ASTM D3501	Plywood in Compression, Method B: Compression Test for Large Specimens
_____	23/S04	ASTM E661	Performance of Wood and Wood-Based Floor and Roof Sheathing Under Concentrated Static and Impact Loads

_____	23/S05**	PS-1	Construction and Industrial Plywood, Sec. 6.1.5.2: Vacuum-Pressure
_____	23/S06	PS-1 (CAN/CSA-0325.1-88)	Construction and Industrial Plywood, Sec. 6.1.5.3: Boiling (Test Methods for Construction Sheathing, Clauses 3.1.13: Boiling; 5.15: Plywood Shear)
_____	23/S07	PS-2 (CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.1: Performance Under Concentrated Static and Impact Loads (Test Methods for Construction Sheathing, Clause 5.26: Concentrated Static and Impact Loads)
_____	23/S08	PS-2 (CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.2: Performance Under Uniform Loads (Test Methods for Construction Sheathing, Clause 5.27: Uniformly Distributed Loads)
_____	23/S09	PS-2 (CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.4: Fastener-Holding Performance, Lateral Loads, Direct Withdrawal Loads (Test Methods for Construction Sheathing, Clauses 5.23: Nail Lateral Resistance; 5.24: Nail Withdrawal Resistance)
_____	23/S10	PS-2 (CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.7: Linear Expansion and Thickness Swell Measured from Oven Dry to Vacuum-Pressure Soak (Test Methods for Construction Sheathing, Clause 5.8: Linear Expansion—Oven Dry to Vacuum Pressure Soak)
_____	23/S11	PS-2 (CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.8: Linear Expansion and Thickness Swell Measured after Wetting on One Side (Test Methods for Construction Sheathing, Clauses 5.10: Linear Expansion—One Side Wetting; 5.11: Thickness Swell—One Side Wetting)
_____	23/S12	PS-2 (CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.9: Linear and Thickness Expansion Measured by Exposure to Relative Humidity (Test Methods for Construction Sheathing, Clause 5.9: Linear Expansion—50% to 90% Relative Humidity)

_____	23/S13	PS-2 (CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.17: Moisture Cycle for Quality Assurance (Single Cycle Test) (Test Methods for Construction Sheathing, Clause 3.1.7: Single-Cycle Soak)
_____	23/S14	PS-2 (CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.18: Moisture Cycle for Delamination and Strength Retention (Six-Cycle Test) (Test Methods for Construction Sheathing, Clause 3.1.6: Six-Cycle Soak)
_____	23/S15	PS-2 (Supplement No. 1-92 to CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.19: Bond Durability Associated with Knotholes (Test Methods for Construction Sheathing, Clause 5.32: Concentrated Static and Impact Loads at Location of Defect)
_____	23/S16	PS-2 (Supplement No. 1-92 to CAN/CSA-0325.1-88)	Wood-Based Structural-Use Panels, Sec. 6.4.20: Radial Probe (Test Methods for Construction Sheathing, Clause 5.31: Radial Probe Test)

TREATED WOOD PRODUCTS

_____	23/C01	AWPA A5 (Section 5)	Determination of Chloride for Calculating Pentachlorophenol in Solution or Wood
_____	23/C02	AWPA A6 (Section 1)	Determination of Oil-Type Preservatives in Wood by Extraction
_____	23/C03	AWPA A9	Analysis of Treated Wood and Treating Solutions by X-Ray Fluorescence Spectroscopy
_____	23/C04	AWPA A11	Analysis of Treated Wood and Treating Solutions by Atomic Absorption (AA) Spectroscopy